

WHAT IS CLAIMED IS:

1. An information processing device comprising:
holding means for holding music data made up of a plurality of tracks;
adding means for adding copyright information to each of said tracks;
information setting control means for controlling the setting of necessary information, for registering with another information processing device capable of distributing by individual track said music data made up of a plurality of tracks to which are added copyright information by said adding means; and
transmission control means for controlling transmission via a network, of said music data made up of a plurality of tracks to which are added copyright information by said adding means and said information set by said information setting control means.

2. An information processing method comprising:
a holding step for holding music data made up of a plurality of tracks;
an adding step for adding copyright information to each of said tracks;

an information setting control step for controlling the setting of necessary information, for registering with another information processing device capable of distributing by individual track said music data made up of a plurality of tracks to which are added copyright information by the processing in said adding step; and

a transmission control step for controlling transmission via a network, of said music data made up of a plurality of tracks to which are added copyright information in said adding step and said information set by the processing in said information setting control step.

3. An information processing device comprising:
 - holding means for holding music data made up of a plurality of tracks;
 - adding means for adding copyright information to each of said tracks;
 - information setting control means for controlling the setting of necessary information, for registering with another information processing device capable of distributing by individual track said music data made up of a plurality of tracks to which are added copyright information by said adding means, said another information processing device controlled so that only predetermined

users verified beforehand can perform registering and distribution of said music data; and

transmission control means for controlling transmission via a network, of said music data made up of a plurality of tracks to which are added copyright information by said adding means and said information set by said information setting control means.

4. An information processing method comprising:

a holding step for holding music data made up of a plurality of tracks;

an adding step for adding copyright information to each of said tracks;

an information setting control step for controlling the setting of necessary information, for registering with another information processing device capable of distributing by individual track said music data made up of a plurality of tracks to which are added copyright information by the processing in said adding step, said another information processing device controlled so that only predetermined users verified beforehand can perform registering and distribution of said music data; and

a transmission control step for controlling transmission via a network, of said music data made up of a

plurality of tracks to which are added copyright information by the processing in said adding step and said information set by the processing in said information setting control step.

5. An information processing device comprising:

reception control means for controlling reception of contents data transmitted via a network and copyright information set to said contents data;

encoding processing means for performing encoding processing of said contents data regarding which reception has been controlled by said reception control means;

saving control means for controlling saving of said contents data subjected to encoding processing by said encoding processing means; and

calculating means for calculating copyright usage fees for said contents data, based on said copyright information.

6. An information processing device according to Claim 5, wherein said contents data is music data, made up of a plurality of tracks, and wherein said copyright information is set for each of said plurality of tracks.

7. An information processing method comprising:

a reception control step for controlling reception of contents data transmitted via a network and copyright information set to said contents data;

an encoding processing step for performing encoding processing of said contents data regarding which reception has been controlled in said reception control step;

a saving control step for controlling saving of said contents data subjected to encoding processing in said encoding processing step; and

a calculating step for calculating copyright usage fees for said contents data, based on said copyright information.

8. An information processing device comprising:

reception control means for controlling reception of contents data transmitted via a network and copyright information set to said contents data; and

calculating means for calculating billing fees at the time of using said contents data, based on said copyright information.

9. An information processing device according to Claim 8, further comprising:

encoding processing means for performing encoding processing of said contents data regarding which reception

has been controlled by said reception control means; and saving control means for controlling saving of said contents data subjected to encoding processing by said encoding processing means.

10. An information processing device according to Claim 8, wherein said contents data is music data, made up of a plurality of tracks, and wherein said copyright information is set for each of said plurality of tracks.

11. An information processing method comprising:
a reception control step for controlling reception of contents data transmitted via a network and copyright information set to said contents data; and
a calculating step for calculating billing fees at the time of using said contents data, based on said copyright information.

12. An information processing device comprising:
holding means for holding music data made up of a plurality of tracks;
reception control means for controlling reception of signals representing transmission request for said music data from other information processing devices via a

network;

searching means for searching for said music data held by said holding means, based on said signals of which reception is controlled by said reception control means; and

first transmission control means for controlling transmission of said music data searched by said searching means, by each of the plurality of said tracks.

13. An information processing device according to Claim 12, wherein copyright information is set to each of the plurality of said tracks.

14. An information processing device according to Claim 13, further comprising:

calculating means for calculating usage fees for said music data based on said copyright information; and second transmission control means for controlling transmission of data corresponding to the usage fees of said music data calculated by said calculating means, with regard to said other information processing device of which transmission of said music data has been controlled by said first transmission control means.

15. An information processing method comprising:

a holding control step for controlling the holding of music data made up of a plurality of tracks;

a reception control step for controlling reception of signals representing transmission request for said music data from other information processing devices via a network;

a searching step for searching for said music data held in said holding step, based on said signals of which reception is controlled by the processing in said reception control step; and

a first transmission control step for controlling transmission of said music data searched by the processing in said searching step, by each of the plurality of said tracks.

16. A recording medium recording a computer-readable program, said program comprising:

a holding control step for controlling the holding of music data made up of a plurality of tracks;

a reception control step for controlling reception of signals representing transmission request for said music data from other information processing devices via a network;

a searching step for searching for said music data held

by the processing in said holding step, based on said signals of which reception is controlled by the processing in said reception control step; and

a first transmission control step for controlling transmission of said music data searched by the processing in said searching step, by each of the plurality of said tracks.

17. An information processing device connected to other information processing devices via a network, said device comprising:

first providing means for a plurality of members to provide a virtual community for activities of cooperatively creating contents to said network;

verifying means for performing verification processing of access rights to said community in the event that said information processing device is accessed by said other information processing devices via said network; and

second providing means for providing services relating to activities of creating said contents to said other information processing devices via said network, based on the verification results of said verifying means.

18. An information processing device according to Claim

17, wherein said second providing means register contents provided from said plurality of members to said community.

19. An information processing device according to Claim 18, wherein said second providing means provide said contents registered to said community to other members.

20. An information processing device according to Claim 19, wherein said second providing means further registers to said community contents created based on said contents registered to said community and provided from said plurality of members.

21. An information processing device according to Claim 18, wherein said first providing means issue IDs to users of said other information processing devices.

22. An information processing device according to Claim 21, wherein said second providing means registers said contents in a manner corresponding to said IDs, so that the creators of said contents can be identified.

23. An information processing method of an information processing device connected to other information processing

TOP SECRET - SOURCE CODE

devices via a network, said device comprising:

a first providing step for a plurality of members in a predetermined mutual relationship to provide a virtual community for activities of cooperatively creating contents to said network;

a verifying step for performing verification processing of access rights to said community in the event that said information processing device is accessed by said other information processing devices via said network; and

a second providing step for providing services relating to activities of creating said contents to said other information processing devices via said network, based on the verification results by the processing in said verifying step.

24. An information processing device connected to other information processing devices via a network, said device comprising:

registering means for registering contents provided from a plurality of members to a virtual community for said plurality of members to perform activities of cooperatively creating contents;

verifying means for performing verification processing of access rights to said community in the event that said

FILED 7-22-82 2:20 PM
U.S. GOVERNMENT PRINTING OFFICE: 1973 7-22-82

information processing device is accessed by said other information processing devices via said network; and

providing means for providing said contents registered to said community to said other information processing devices via said network, based on the verification results of said verifying means.

25. An information processing device according to Claim 24, wherein said providing means further register to said community contents created by modifying or arranging said contents registered to said community and provided from said plurality of members.

26. An information processing device according to Claim 25, wherein said providing means further provide to other information processing devices contents created by modifying or arranging said contents registered to said community and further registered to said community.

27. An information processing method for an information processing device connected to other information processing devices via a network, said method comprising:

a registering step for registering contents provided from a plurality of members to a virtual community for said

TOKTEK00000000000000000000000000000000

plurality of members to perform activities of cooperatively creating contents;

a verifying step for performing verification processing of access rights to said community in the event that said information processing device is accessed by said other information processing devices via said network; and

a providing step for providing said contents registered to said community to said other information processing devices via said network, based on the verification results by the processing in said verifying step.

28. A music piece distributing system comprising:

means for creating music pieces made up of a plurality of instrument/vocal parts;

means for adding copyright information to each of said plurality of instrument/vocal parts;

means for transferring, via a network, music pieces made up of said plurality of instrument/vocal parts to which said copyright information has been added; and

means for registering said music pieces to a management center for management thereof so that other users can use said music pieces by individual instrument/vocal parts.

29. A music piece distributing system comprising:

means for creating music pieces made up of a plurality of instrument/vocal parts;

means for adding copyright information to each of said plurality of instrument/vocal parts; and

means for registering to a community provided upon a network, said music pieces made up of said instrument/vocal parts with copyright information added to each of said instrument/vocal parts, so that other users can use said music pieces by each of said plurality of instrument/vocal parts.

30. A contents distributing system comprising:

means for receiving contents created by a user and copyright information relating to said contents, via a network;

means for encoding said contents following said copyright information;

means for storing said encoded contents in a server for distributing said contents; and

means for settling copyright usage fees relating to said contents, based on said copyright information.

31. A contents distributing system comprising:

means for receiving contents created by a user and

copyright information set to said contents, via a network;

means for storing said contents in a distributing server connected to said network; and

means for setting billing fees in the case of others using said contents, based on said copyright information.

32. A music piece distributing system comprising:

means for receiving, via a network, music pieces created by a user, and a plurality of sets of copyright information set to each of a plurality of instrument/vocal parts making up said music piece;

means for encoding audio signals corresponding to said a plurality of instrument/vocal parts, according to said plurality of sets of copyright information;

means for storing said encoded audio signals to a distributing server for each of said plurality of instrument/vocal parts; and

means for settling copyright usage fees relating to said music piece, based on said plurality of sets of copyright information.

33. A music piece distributing system comprising:

means for receiving music pieces created by a user, and a plurality of sets of copyright information set to a

TOP SECRET//NOFORN

plurality of instrument/vocal parts making up said music piece;

means for storing said music piece in a distributing server connected to said network, by each instrument/vocal part; and

means for setting billing fees in the case of others using said music piece, based on said plurality of sets of copyright information.

34. A service providing method comprising:

a step for a plurality of members, belonging to a group made up of members having mutual relationships, to provide a virtual community for performing activities of cooperatively creating contents upon a network;

a step for performing verification processing of access rights to said community in the event that there has been an access request via said network; and

a step for providing services relating to activities of creating said contents to said verified members via said network.

35. A service providing method comprising:

a step for providing upon a network a virtual community for performing creating activities of cooperatively creating

2025 RELEASE UNDER E.O. 14176

new contents using contents provided from a plurality of members belonging to a group made up of members having mutual relationships;

a step for verifying, in the event that there has been an access request from a user via said network, whether or not said user is a member having access rights to said community; and

a step for providing services relating to activities of creating said contents to said verified member via said network.

36. A service providing method comprising:

a step for a plurality of members, belonging to a group made up of predetermined members, to provide a virtual community for performing creating activities of cooperatively creating contents upon a network;

a step for performing verification processing of access rights to said community in the event that there has been an access request via said network; and

a step for providing services relating to activities of creating said contents to said verified members via said network.

37. A service providing method comprising:

a step for providing upon a network a virtual community for a plurality of members belonging to a group made up of predetermined members to participate in creating activities of cooperatively creating new contents using contents provided from said plurality of members;

a step for verifying, in the event that there has been an access request from a user via said network, whether or not said user is a member having access rights to said community; and

a step for providing services relating to activities of creating said contents to said verified member via said network.

38. A service providing method comprising:

a step for providing a virtual community on a network;

a step for registering original contents to said community;

a step for verifying, in the event that there has been an access request from a user via said network, whether or not said user is a member having access rights to said community; and

a step for providing to said verified user, services for creating new contents by modifying or arranging original contents provided to said community, via said network.

39. A service providing method comprising:

a step for registering original contents to a virtual community provided on a network;

a step for performing verification processing regarding access rights to said community, for users making access requests via said network;

a step for providing to said verified users, services for modifying or arranging original contents provided to said community and creating new contents, via said network; and

a step for distributing said contents to said verified users via said network.

40. A service providing method comprising:

a step for performing verification processing regarding access rights to a virtual community provided on a network, for users making access requests via said network; and

a step for providing to said verified users, contents registered in said community, and services for arranging or modifying said contents, via said network.

PCT/EP2004/002260